

APRIL/MAY 2024

**23USSC24 — SOFTWARE PROJECT  
MANAGEMENT**

Time : Three hours

Maximum : 75 marks



**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.

1. What is software project Management?
2. Define Software Development process.
3. What do you mean by Project Selection Models?
4. Highlight the importance of Project Planning.
5. List different methods of SEI CMM.
6. Summarize the advantages of COCOMO Model.
7. Mention some of the dependencies in Software Development.
8. What is the significance of Critical Chain Scheduling?
9. Mention the challenges of building Quality Software.
10. Address some of the legal issues in software.

**SECTION B — (5 × 5 = 25 marks)**

Answer ALL questions.

11. (a) Explain the Significance of Product Development Techniques.

Or

- (b) Describe about Software Development Process and models.

12. (a) Annotate the importance of Project Planning.

Or

- (b) Discuss in detail about the Goal and Scope of Software Project Management.

13. (a) Write short notes on Cost Estimation in Software Development.

Or

- (b) Outline the importance of Key Project Roles and their responsibilities.

14. (a) Briefly explain about Resource Management Activities in Project Management.

Or

- (b) Differentiate PERT and CPM.

15. (a) Explain the significance of the Software Quality requirements.

Or

- (b) What is Software Configuration Management? Describe the process involved in Software Configuration Management



**SECTION C — (3 × 10 = 30 marks)**

Answer any THREE questions.

16. Discuss in detail about Product Development Life Cycle.

17. Explain in detail about Building a WBS for Software Development.

18. Describe the types of COCOMO software Model and Highlight its importance.

19. Explain the concept of Critical Chain Scheduling.

20. Illustrate the SEI-CMM's five levels of maturity in detail for software processes.